Last update: 12 December 2019
Instructions for Authors

ABOUT

Mathematical morphology is a well established methodology for the analysis of geometrical structures. Its theoretical roots are based on set theory, topology, stochastic geometry, lattice theory, nonlinear partial differential equations, etc. Mathematical morphology is applied to process digital images and other forms of spatial structures as graphs, surface meshes, data clouds, etc.

Mathematical Morphology - Theory and Applications (MMTA) is an Open Access electronic journal publishing either purely theoretical advances, or new ways of applying mathematical morphology to realworld problems. MMTA serves also as a forum open to other related mathematical image processing approaches as discrete geometry, topological imaging and scale-space models.

The journal is peer-reviewed (single-blind peer-review), in electronic-only format. The language of the journal is English.

Mathematical Morphology - Theory and Applications does not have article processing charges (APCs) nor article submission charges.

CRITERIA FOR PUBLICATION

Only original Research Papers or Review Papers of significant interest will be considered for publication in Mathematical Morphology - Theory and Applications. Relevant results of significant interest can be considered for a Rapid Communication , in this case the entire editorial board must approve the acceptance of the paper. See our Editorial Policy for more details.

Accepted papers are published on ongoing basis. The journal publishes:
- Research Articles
- Survey Papers
- Pedagogical Papers
- Short Communications
- Letters to the Editor, Amendments, and Commentaries

ELECTRONIC SUBMISSION

All submissions must be made electronically via Editorial Manager, an online submission and peer review system (http://www.editorialmanager.com/mathmorph). First-time users must create an Author account in order to obtain a user ID and password required to enter the system. all manuscripts receive individual identification codes that should be used in any correspondence with regard to the publication process. If you experience difficulties with the manuscript submission Website please contact the Editorial Office at mathm.editorial@degruyter.com.

Manuscripts submitted under multiple authorship are reviewed on the assumption that all listed authors concur in the submission and are responsible for its content; they must have agreed to its publication and have given the corresponding author the authority to act on their behalf in all matters pertaining to publication. The corresponding author is responsible for informing the coauthors of the manuscript status throughout the submission, review, and production process.

ELECTRONIC FORMATS ALLOWED

Manuscripts have to be written in LATEX, AMS-TEX, AMS-LATEX. We do not accept papers in Plain TEX format. If additionally a PDF file is supplied, the peer review process will be speed up. Authors are encouraged to submit the final version of the paper using the De Gruyter Open LATEX template.

FIRST-TIME SUBMISSION OF MANUSCRIPTS

It is important that authors include a cover letter with their manuscript. Please explain why you consider your manuscript to be suitable for publication in Mathematical Morphology - Theory and Applications, why your paper will inspire the other members of your field, and how will it drive research forward.

The letter should contain all important details such as:
- your full name (submitted by)
- full title of article and short title
- full list of authors with affiliations
- e-mail of the corresponding author
- contact address, telephone/fax numbers of the corresponding author
- number of attached files, if there is more than one
- status: new, reviewed or accepted (with reference ID if reviewed or accepted)

The cover letter should explicitly state that the manuscript (or one with substantially the same content, by any of the authors) has not been previously published in any language anywhere and that it is not under simultaneous consideration or in press by another journal. If related work has been submitted, then we may require a preprint to be made available. Reviewers will be asked to comment on the overlap between the related submissions.

Manuscripts that have been previously rejected, or withdrawn after being returned for modification, may be resubmitted if the major criticisms have been addressed. The cover letter must state that the manuscript is a resubmission, and the former manuscript number should be provided.

To ensure fair and objective decision-making, authors must declare any associations that pose a conflict of interest in connection with evaluated manuscripts (see Editorial Policy for details). Authors may suggest up to two referees not to use, and in such cases additional justification should be provided in the cover letter. Authors are encouraged to recommend up to five reviewers who are not members of their institution(s) and have never been associated with them or their laboratory(ies); please provide contact information for suggested reviewers. The Editors reserve the right to select expert reviewers at their discretion.

SUBMISSION OF REVISED ARTICLES

Resubmitted manuscripts should be accompanied by a letter outlining a point-by-point response to Journal Editor's and reviewers' comments and detailing the changes made to the manuscript. A copy of the original manuscript should be included for comparison if the Journal Editor requests one. If it is the first revision, authors need to return the revised manuscript within 28 days; if it is the second revision, authors need to return the revised manuscript within 14 days. Additional time for resubmission must be requested in advance. If the above mentioned deadlines are not met, the manuscript will be treated as a new submission.

For resubmitted manuscripts, please provide us with an editable text and publication-quality figures:

Tables also need to be included within an editable article file or be submitted separately as editable files.

Supply any figures as separate high-resolution, print-ready digital versions.

In addition to the editorial remarks, authors are asked to take care that they have prepared the revised version according to the Journal's style. Please adopt numbered citation (citation-sequence) style referencing.

PREPARATION OF MANUSCRIPTS

Articles should be organized into the following sections:
- Title page: Title, Name(s) of Author(s), Affiliation(s), Personal e-mail address(es) ▪ Abstract
- AMS Mathematics Subject Classification number(s)
- Keywords
- Text
- Acknowledgments (if applicable)
- References

Each of these elements is detailed below.

Title

We suggest the title should be relatively short but informative. If a long title is necessary, please prepare an optional short title.

- Name(s) of Author(s)
- List of all authors of a paper. We need full first name, initial(s) for middle name(s) and full second name.
- Affiliation(s)
- Please indicate authors' affiliations here. Affiliations should include:
  o Department
  o University
  o City
  o Country
  o Personal e-mail address(es)

The author's e-mail address is required. For multiple authorship, we need at least the personal e-mail address of the corresponding author.

Abstract

An abstract should accompany every article. It should be a brief summary of significant results of the paper. An abstract should give concise information about the content of the core idea of your paper. It should be informative and not only present the general scope of the paper but also indicate the main results and conclusions. An abstract should not exceed 200 words. It should not contain literature citations, allusions to the tables, tables, figures or illustrations. All nonstandard symbols and abbreviations should be defined. In combination with the title and keywords, an abstract is an indicator of the content of the paper.

Please remember that online systems rely heavily on the content of titles and abstracts to identify articles in electronic bibliographic databases and search engines. We ask you to take great care in preparing these elements.

Classification numbers

Please include AMS Mathematics Subject Classification number(s) to which the paper can be attributed. More than a single classification number may be accepted.

For AMS Mathematics Subject Classification see http://www.ams.org/msc/

Keywords

List all keywords separated by commas.

Text

General rules for writing:

- use simple and declarative sentences, avoid long sentences, in which the meaning may be lost by complicated construction;
- be concise, avoid idle words;
- make your argumentation complete; use commonly understood terms; define all nonstandard symbols and abbreviations when you introduce them;
- explain all acronyms and abbreviations when they first appear in the text;
- use all units consistently throughout the article;
- be self-critical as you review your drafts.

Structure of a paper

Research papers and review articles should follow a strict structure. Generally a standard scientific paper is divided into:

- introduction: present the subject of your paper clearly, indicate the scope of the subject, present the goals of your paper and finally the organization of your paper;
- main text: present all important elements of your scientific message;
- conclusion: summarize your paper.

Footnotes/Endnotes/Acknowledgements

We encourage authors to restrict the use of footnotes. If necessary, please make endnotes rather than footnotes. A footnote/endnote may include:

- the designation of the corresponding author of the paper;
- the current address of an author (if different from that shown in the affiliation);
- traditional footnote content.

Information concerning research grant support should appear in a separate Acknowledgements section at the end of the paper, not in a footnote. Acknowledgements of the assistance of colleagues or similar notes of appreciation should also appear in the Acknowledgements section, not in footnotes.

Tables

You should use tables only to improve conciseness or where the information cannot be given satisfactorily in other ways. Tables should be numbered serially and referred to in the text by number. Each table should have an explanatory caption which should be as concise as possible.

Figures

You may use line diagrams and photographs to illustrate theses from your text. The figures should be clear, easy to read and of good quality. Styles and fonts should match those in the main body of the article.

English language

Mathematical Morphology - Theory and Applications is published in English. Make sure that your manuscript is clearly and grammatically written. The mathematical content should be understandable and should not cause any confusion to the readers, including the referees.

References

References should be listed alphabetically. A complete reference should give the reader enough information to find the relevant article. Please pay particular attention to spelling, capitalization and punctuation here. Abbreviated journals names should be written according to Mathematical Reviews Serials Abbreviations, see http://www.ams.org/msnhtml/serials.pdf

Because all references will be linked electronically to the papers they cite, proper formatting of the references is crucial (see Guidelines to bibliographic references for details). Completeness of references is the responsibility of the authors.

COPYRIGHT

All authors retain copyright, unless – due to their local circumstances – their work is not copyrighted. The copyrights are governed by the Creative-Commons Attribution Only license (CC-BY) which is compliant with Plan-S. Scanned copy of license should be sent to the journal, as soon as possible.

OUTLINE OF THE PRODUCTION PROCESS

Once an article has been accepted for publication, the manuscript files are transferred into our production system to be language-edited and formatted. Language and technical editors reserve the privilege of editing manuscripts to conform with the stylistic conventions of the journal. Once the article has been typeset, PDF proofs are generated so that authors can approve all editing and layout.

Electronic Proofs

Proofreading should be carried out once a final draft has been produced. Since the proofreading stage is the last opportunity to correct the article to be published, the authors are requested to make every effort to check for errors in their proofs before the paper is posted online. Please note that only essential changes can be made at this stage and extensive corrections, additions, or deletions will not be allowed. If URLs have been provided in the article, recheck the sites to ensure that the addresses are still accurate and the material that you expect the reader to find is indeed there. Important new information that has become available between acceptance of the manuscript and receipt of the proofs may be inserted into the proof with the permission of the editor.

Additionally, authors may be asked to address remarks and queries from technical editors. Queries are written only to request necessary information or clarification of an unclear passage or to draw attention to edits that may have altered the sense. Please note that technical editors do not query at every instance where a change has been made. It is the author's responsibility to read the entire text, tables, and figure legends, not just items queried. Major alterations made will always be submitted to the authors for approval.

Manuscripts submitted under multiple authorship are published on the assumption that the final version of the manuscript has been seen and approved by all authors. The Corresponding author will receive e-mail notification when a downloadable PDF file is available and should return comments on the proofs within a maximum of 3 days of receipt. Comments should be e-mailed to the Editor-in-Chief at mathm.editorial@degruyter.com. Please note that they should not be faxed, nor mailed or sent by a courier service to the Editorial Office.